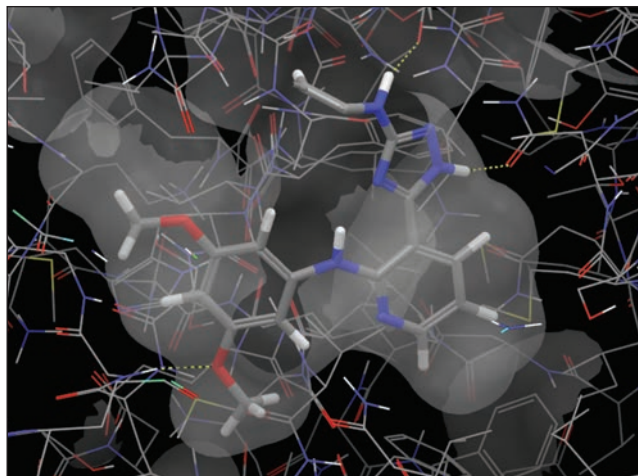
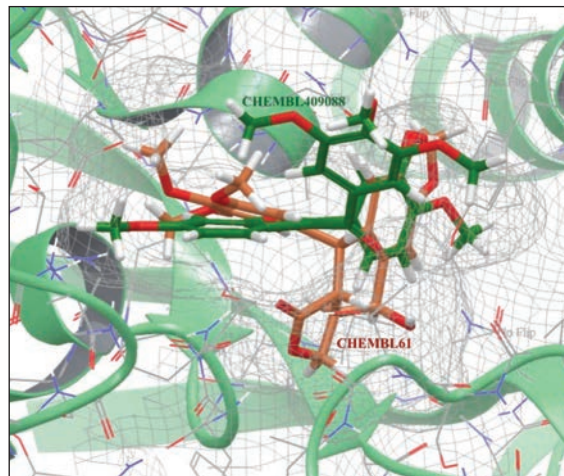


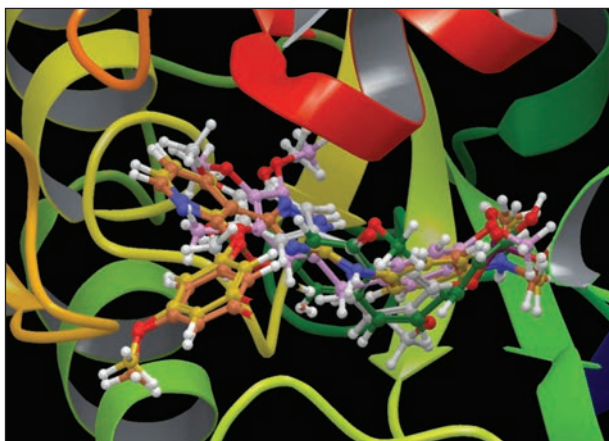
**Fig. 1.** Application of Grid VO CSLabGrid to the bio-informational study of cytoskeleton and high-throughput virtual screening of substances having antimicrotubular effect



**Fig. 2.** Results of control docking of N-(3,5-dimethoxyphenyl)-3-[3-(3-methoxyaniline)-1H-1,2,4-triazole-5-yl] pyridine-2-amine in the GTP-exchange site of  $\alpha$ -tubulin with *B. taurus* (PDB structure: 1I4T)



**Fig. 3.** GTP-exchange site of  $\alpha$ -tubulin with *B. taurus* (PDB structure: 1I4T) in combination with podophyllotoxin (CHEMBL61, red) and CHEMBL409088, 2-(3-hydroxy-4-methoxyphenyl)-6-methoxy-1-benzofuran-3-yl]-(3,4,5-trimethoxyphenyl)methanone (green)



**Fig. 4.** Example of structural conformation comparison of leader compounds and control substance (N-(3,5-dimethoxyphenyl)-3-[3-(3-methoxyaniline)-1H-1,2,4-triazoles-5-yl] pyridine-2-amine) according to the results of docking in CCDC Gold (with  $\alpha$ -tubulin complexes as example)